

ME Scheduling Software

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Objective

Finish the web utility we were given so it is fully functional for ME students to make reservations for machines they need to use.

Background

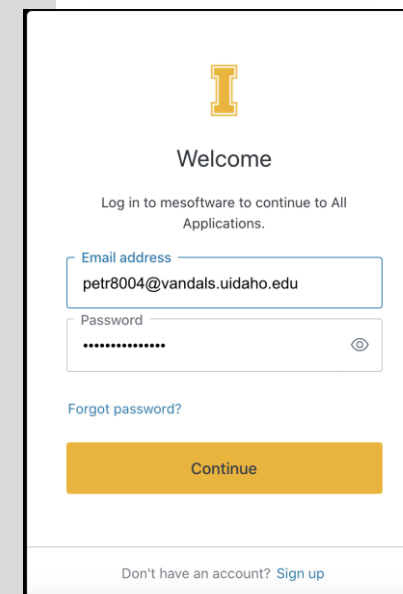
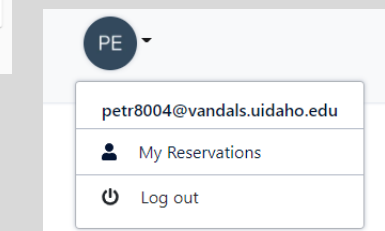
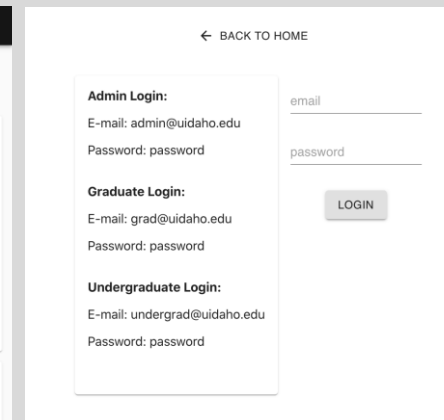
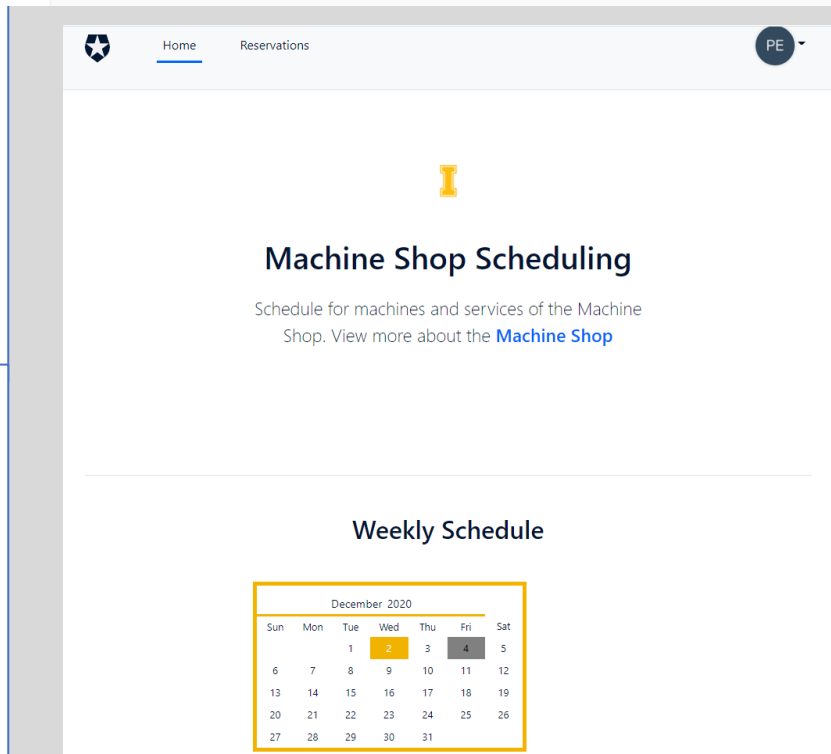
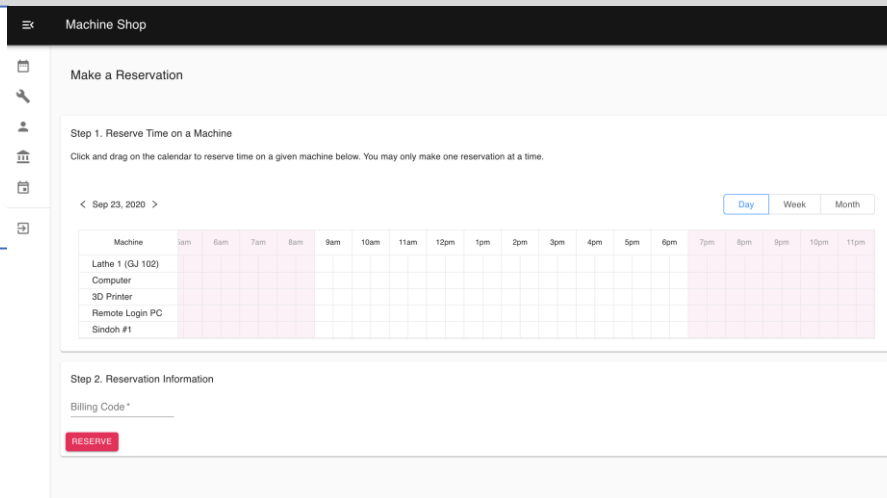
- Engineering students do not currently have an online utility to reserve machines for use.
- Utility with basic functions was created last capstone year and will be finished by our team.

Value Proposition

- To have a fully functional web interface where ME students can easily schedule times to use equipment.
- The webpage should be easy to understand and have no problems working for the next couple of years.

Key Requirements

- Be able to authenticate users
- Allow users to create reservation times with billing codes
- Make the web utility visually appealing
- Long lifetime requiring no maintenance
- Allow admin to manage the webpage and have administrative privileges
- Summary reports of usage and billing information



Validation

- Only users with UIdaho emails should be able to create accounts
- Multiple users should be able to use the website concurrently
- Users should be able to view their schedule
- Admins should have control of billing codes and admin tasks
- User login credentials should be stored securely
- Website should function indefinitely without updates

Summary, Conclusions, and Recommendations

- Website will use a secure authentication method.
- Improvements to existing functionality and minor design changes.
- Better documentation for future developers.